WHAT IS CLAIMED IS: A method for inhibiting aggregation of β -amyloid in a subject or disaggregating aggregated β -amyloid in a subject, comprising administering to a subject in need thereof an effective amount of a filamentous bacteriophage which displays an antibody or epitope binding fragment thereof, wherein said antibody and epitope binding fragment thereof. bind to an epitope of β -amyloid so as to inhibit aggregation of β -amyloid in said subject and/or to cause disaggregation of a β -amyloid aggregate in said subject. The method of claim 1, wherein said epitope of β -amyloid comprises the amino acid sequence of SEQ ID NO:1. The method of claim 2, wherein said epitope is contained in a peptide having an amino acid sequence selected from the group consisting of SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:21, and SEQ ID NO:22. The method of claim 1, wherein said antibody or epitope binding fragment thereof is displayed on said bacteriophage via coat glycoprotein VIII. The method of claim 1, wherein said β -amyloid is

- selected from the group consisting of A β 39, A β 40, A β 41, A β 42 and $A\beta 43$.
- The method of claim 1, wherein said administering is to the olfactory system of said subject.

A pharmaceutical composition in unit dosage form, comprising a pharmaceutically acceptable carrier and, as an active ingredient, a filamentous bacteriophage which displays an antibody or epitope binding fragment thereof, wherein said antibody and epitope binding fragment thereof bind to an epitope of β -amyloid so as to inhibit aggregation of β -amyloid in a subject and/or to cause disaggregation of a β -amyloid aggregate in a subject. 7.81. The pharmaceutical composition of claim 7, wherein said epitope of β -amyloid comprises the amino acid sequence of SEQ ID NO:1. The pharmaceutical composition of claim 8, wherein said antibody or epitope binding fragment thereof is displayed on said bacteriophage via coat glycoprotein VIII: 10. The pharmaceutical composition of claim 8, wherein said epitope is contained in a peptide having an amino acid sequence selected from the group consisting of SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:21, and SEQ ID NO:22. The pharmaceutical composition of claim 7, wherein said β -amyloid is selected from the group consisting of A β 39, A β 40, A β 41, A β 42 and A β 43. 12. A method for inhibiting aggregation of a prion protein in a subject or disaggregating aggregated prion protein in a subject comprising administering to a subject in - 121 -

need thereof an effective amount of a filamentous bacteriophage which displays an antibody or epitope binding fragment thereof which binds to said prion protein so as to inhibit aggregation of said prion protein in said subject and/or to cause disaggregation of said prion protein aggregate in said subject.

- 13. The method of claim 12, wherein said prion protein is scrapie isoform (PrP^{SC}) .
- 14. The method esclaim 13, wherein said antibody or fragment binds to SEQ ID NO:26.
- 15. The method of claim 14, wherein said antibody or fragment binds to SEQ ID NO:26 in a peptide comprising SEQ ID NO:26.

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- 16. The method of claim 15, wherein said peptide is SEQ ID NO:25.
- 17. The method of claim 12, wherein said antibody or epitope binding fragment thereof is displayed via coat glycoprotein VIII on said bacteriophage.
- 18. The method of claim 12, wherein said antibody is selected from the group consisting of mAb 3-11 and mAb 2-40.
- 19. An antibody or epitope binding fragment thereof which binds to a prion protein so as to inhibit aggregation of

said prion protein and/or to cause disaggregation of said prion protein aggregate.

- 20. The antibody or epitope binding fragment thereof of claim 19, wherein said prion protein is scrapie isoform (PrP^{SC}) .
- 21. The antibody or epitope binding fragment thereof of claim 20, wherein said antibody or epitope binding fragment binds to SEQ ID NO:26.
- 22. The antibody or epitope binding fragment thereof of claim 21, wherein said antibody or epitope binding fragment binds to SEQ ID NO:26 in a peptide comprising SEQ ID NO:26.
- 23. The antibody or epitope binding fragment thereof of claim 22, wherein said peptide is SEQ ID NO:25.
- 24. The antibody of claim 19, which is selected from the group consisting of mAb 3-11 and mAb 2-40.